

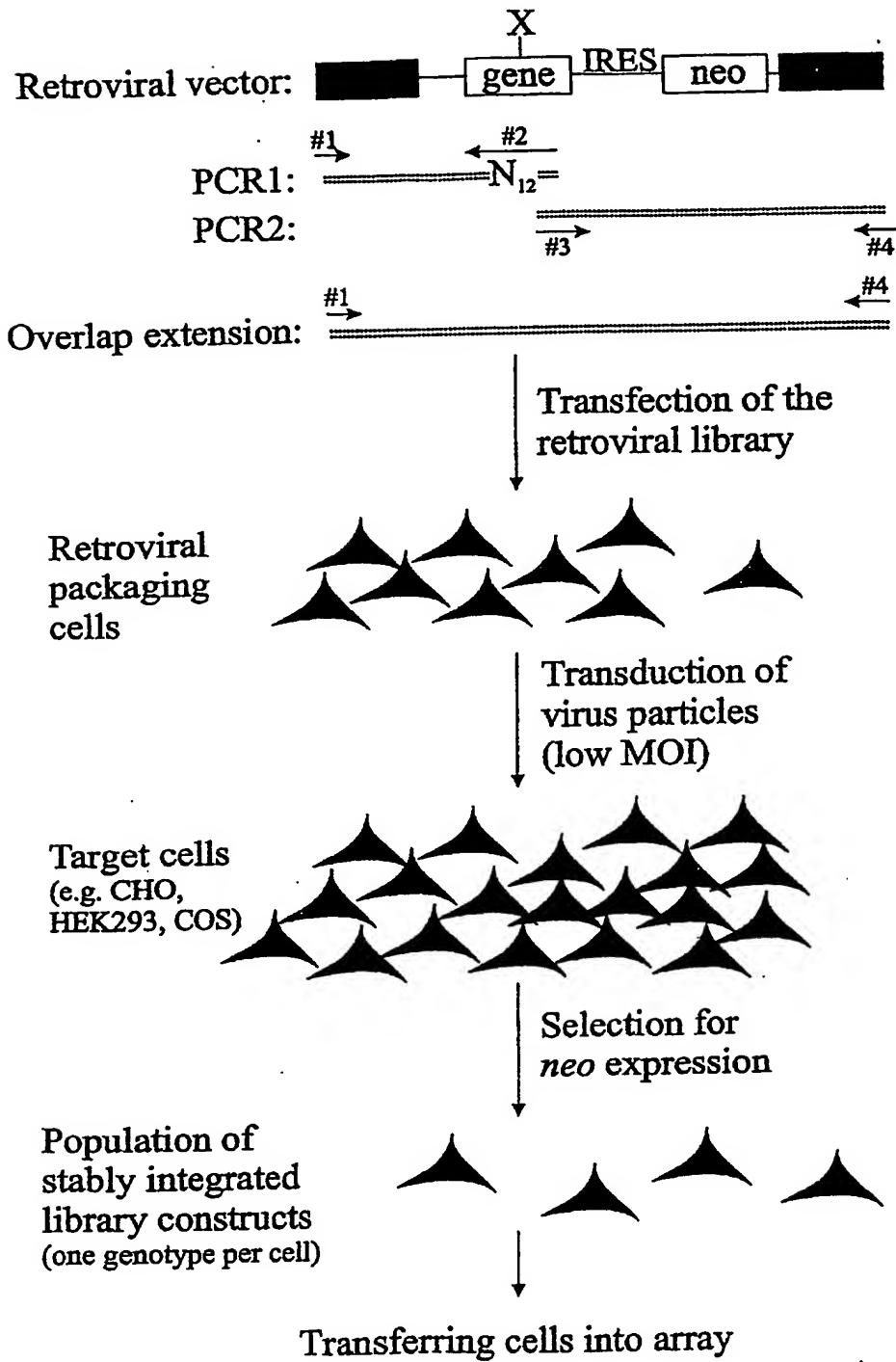
Figure 1**BEST AVAILABLE COPY**

Figure 2

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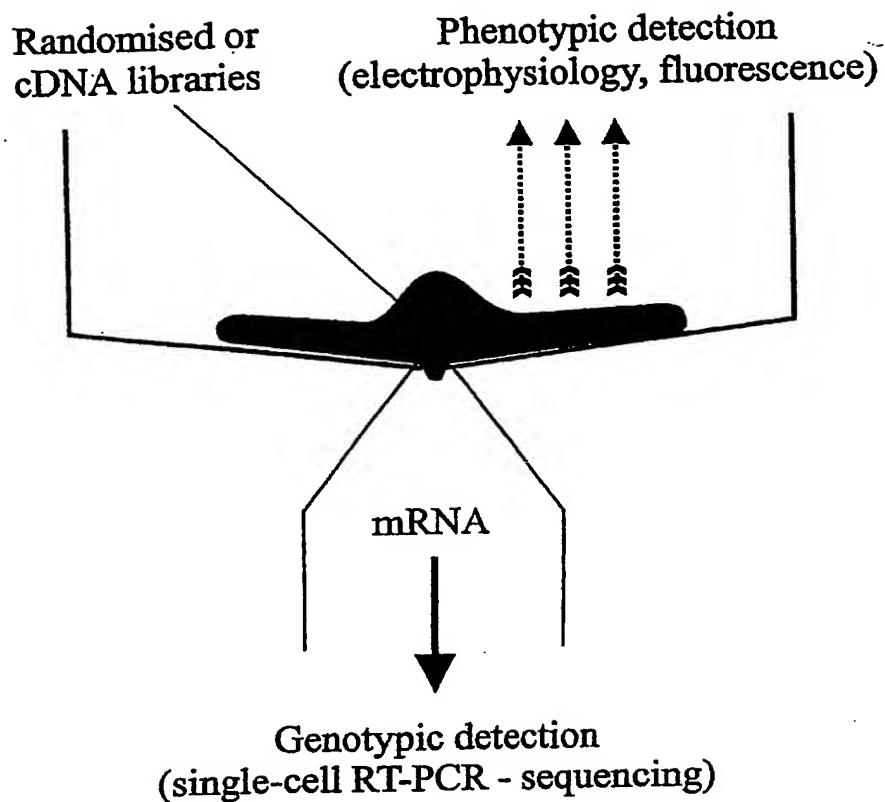


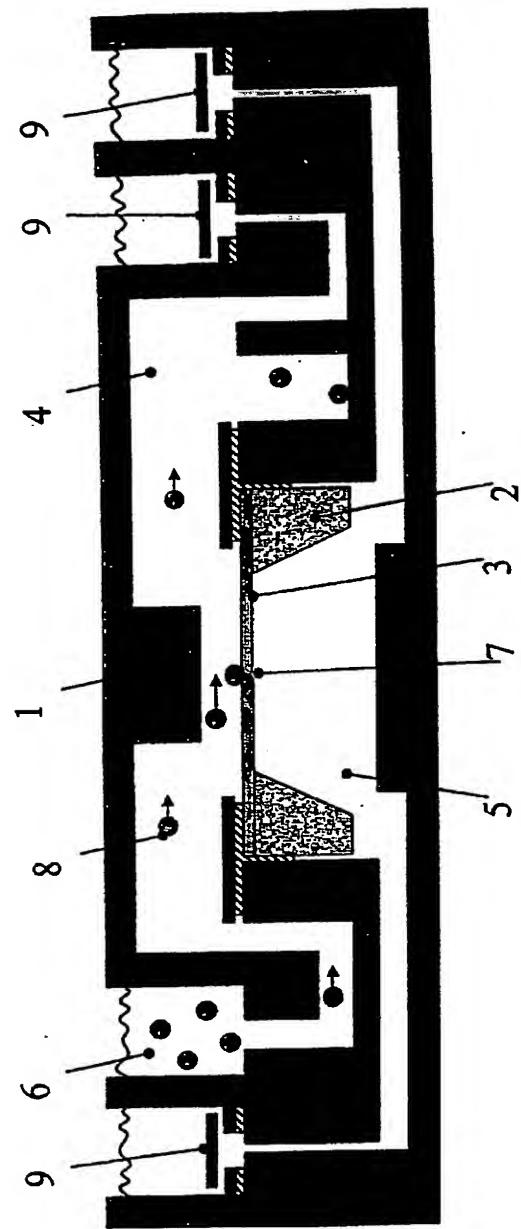
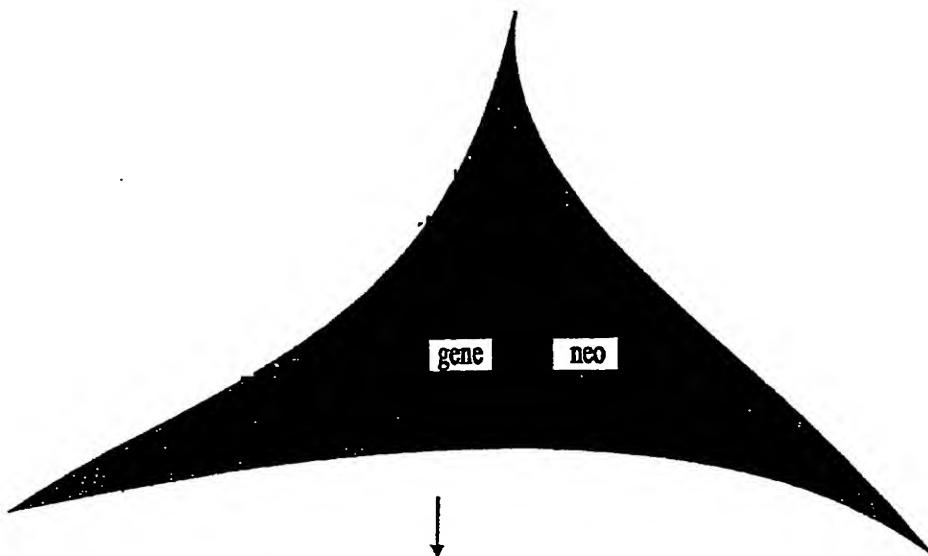
Figure 3

Figure 4**BEST AVAILABLE COPY****gene neo**

- 1) Electrophysiological screening
 - 2) Screening of cells by fluorescence
 - 3) Size and Shape measurements
- ↓
- Characterisation of genotype by
single-cell RT-PCR followed by sequencing
- ↓
- Test and further characterisation

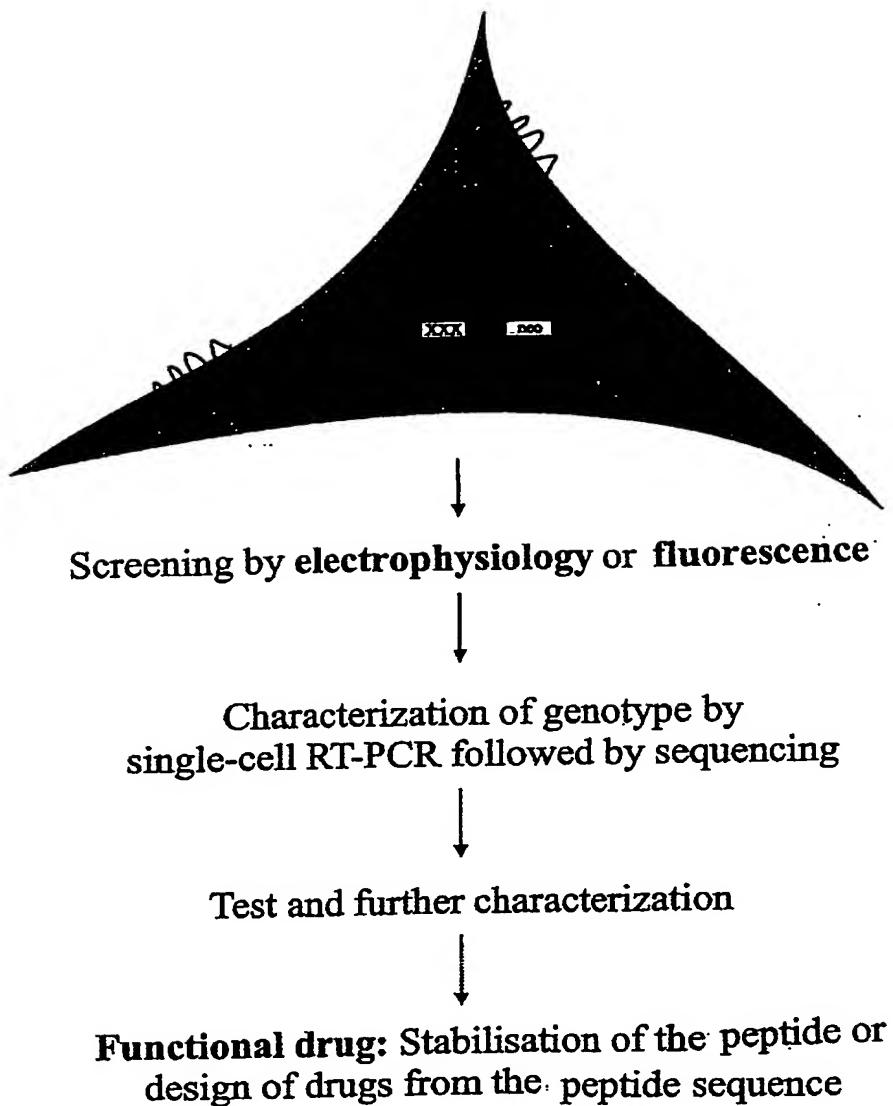
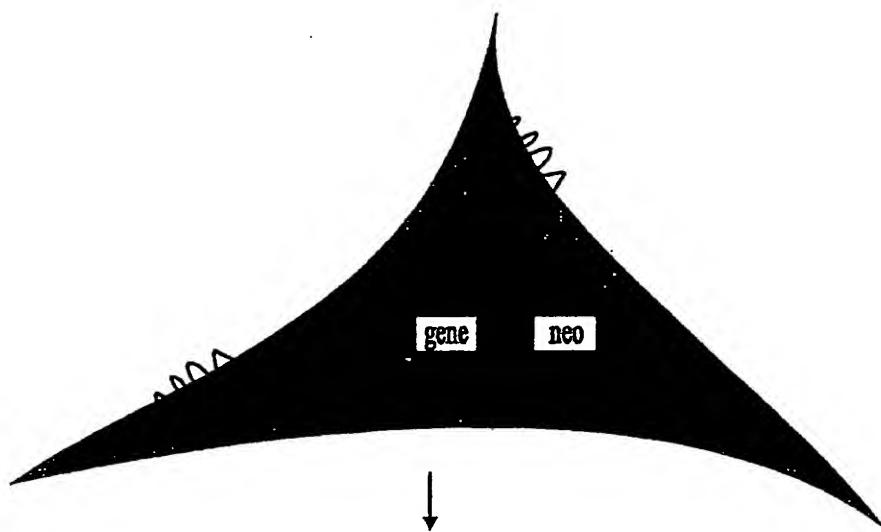
Figure 5**BEST AVAILABLE COPY**

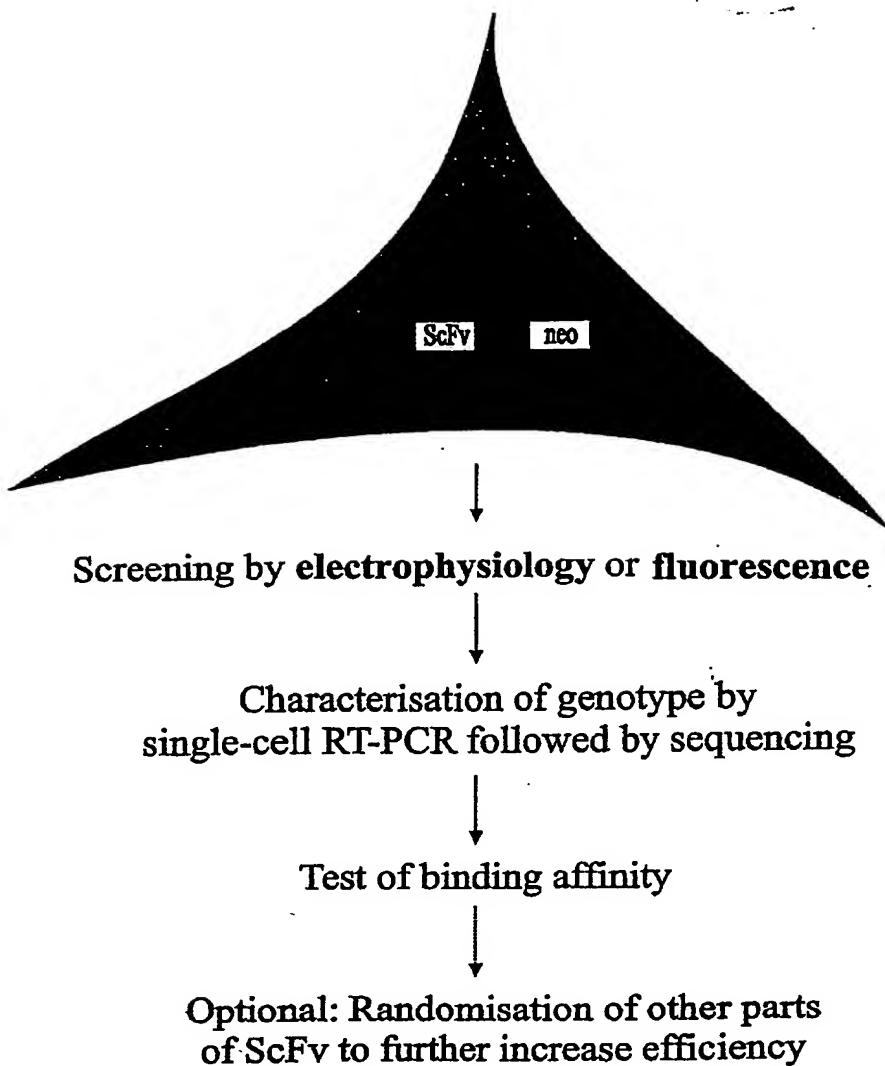
Figure 6

Electrophysiological screening for
cells with high(er) efficiency modulators

Characterization of genotype by
single-cell RT-PCR followed by sequencing

Test and further characterization

Optional: Randomization of other parts of
the modulator to further increase efficiency

Figure 7**BEST AVAILABLE COPY**